

# Purchase Order Receipt Listing

Thursday, April 23, 2015 1:49:22 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO28028 Receipt Dates from 4/23/2015 to 4/23/2015 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
<b>Vendor ID \ Vendor Name</b> <b>VC-MET001</b> <b>Metaux Castle</b>											
PO28028	1		M174B1.250X02.000 f		4/27/2015	4/23/2015	12.5000	\$50.74	0.0000	0	\$634.26
CAD	No		17-4 SS Bar 1.250 x 2.00	f	12.0000	DCUSER		\$634.26	0.0000	0	
			m132117								
	2		M303B1.000X03.000 f		4/27/2015	4/23/2015	12.8333	\$98.88	0.0000	0	\$1,269.02
	No		303 BAR 1" X 3"	f	12.0000	DCUSER		\$1,269.02	0.0000	0	
			m132117								
	3		M303B2.000X1.750 f		4/27/2015	4/23/2015	11.8333	\$113.34	0.0000	0	\$1,341.19
	No		303 BAR 2" X 1.750" f	f	12.0000	DCUSER		\$1,341.19	0.0000	0	
			m132117								

Total Received Quantity: 37.1666  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$3,244.48  
Total Balance Due Quantity: 0.1667



Castle Metals®


A. M. Castle & Co.

BORDEREAU DE MARCHANDISES  
CERTIFICAT DE CONFORMITE

Page 1 of 2

No de Formulaire d'Emballage / Shipment No:2579981

Expédié de / Ship From:	Vendu à / Sold To:	Expédié à / Ship To:	Livré à / Deliver To:	
A. M. Castle & Co. (Canada) Inc. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date d'expédition / Date Shipped	F.O.B.	Modalités de transport / Freight Terms	Transporteur / Carrier	No du Bon de connaissance / BOL No
22-APR-2015	ORIGIN	Prepaid	MANITOULIN	2579981-2

Détails d'expédition / Shipment Details				Destination finale / Final Destination Branch - MON			
N° de commande / Order No	N° de ligne Line No	N° d'article / Item No	Description				
3813662	2	66090.BO	1.7500.2.0000.FLAT.303.STAINLESS.144.0000 SPECIFICATIONS: ASTM A582				
N° de bon de commande / Purchase Order No	Nbre de pièces / Part Number	Qté commandée / Ordered Qty		Qté Facturée / Invoice Qty			
28028		142.80 LBS		11.8333 FT			
Détails / Details							
END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
N° de livraison / Delivery No :	Usine / Mill	No de coulée / Heat Number	Code mec / Mech Id	Qty or PCS	Largeur / Width (IN)	Longueur / Length (IN)	Qté expédiée/ Shipped Qty(LBS)
120023243		 A 1 2 9 5 4		1.0		142.0000	141.0000
Ces marchandises/technologies sont sujettes aux règlements de l'Export Administration et du département d'état des Etats-Unis. Si elles ont été/ont exportées, elles doivent se conformer à ces règlements. Toute modification du contrat de transport contraire aux lois des Etats-Unis est interdite.							
Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports de essais sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.							

Ces marchandises/technologies sont sujettes aux règlements de l'Export Administration et du département d'état des États-Unis. Si elles ont été exportées, elles doivent se conformer à ces règlements. Toute modification du contrat de transport contraire aux lois des États-Unis est interdite.

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited. Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel. Y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 22-APR-2015 10:16:34 AM



**Castle Metals®**

**A. M. Castle & Co.**

**BORDEREAU DE MARCHANDISES  
CERTIFICAT DE CONFORMITE**

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Ce matériel a été reçu et inspecté par Reviewed by Authorized Castle Metals Representative:		Date:	Name:
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22 AVR. 2015







575 STATE FAIR BLVD.  
SOLVAY, NY 13209

# Certificate of Test

Cert Date: 01/15/15

SOLD TO  
FRY STEEL COMPANY  
13325 MOLETTE ST  
SANTA FE SPRINGS, CA 90670

SHIP TO  
FRY STEEL COMPANY  
13325 MOLETTE ST  
SANTA FE SPRINGS, CA 90670

CIL ORDER NO.  
P5-18568-4-01

HEAT NO.  
A12954

CIL INSIDE SALES REP.  
L HINMAN

SHIPPED FROM  
SOLVAY, NY USA

CUSTOMER P.O.  
48166-5/S29450

CUSTOMER PART NO.  
S29450

QUANTITY SHIPPED 1722 LBS. 1 BDL

## DESCRIPTION OF MATERIAL

SIZE  
CRU 303 HRAP 2.000 X 1.750 FLAT  
AMS-5640-U (TYPE I) (EX FIN) ASTM-A484-13A ASTM-A582-12 E1 MIL-S-7720-AMD. 1  
QQS-763-C COND A QQS-764-B (OBSOLETE) (COND A)

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU	CB	TA
.052	1.71	.028	.200	.55	9.39	17.64	.31	.41	.100	.002

## AS SHIPPED PROPERTIES

HARDNESS  
BHN 163/166

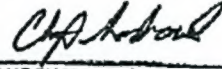
DAS  
14  
9-89  
15/04/27

LONGITUDINAL  
TENSILE PSI 86,800  
YLD. 2% PSI 43,870  
% ELONG4D 54.4  
RED/AREA% 67.8

MACRO-ACCEPTABLE

FRY STEEL CO. CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

JAN 19 2015

BY   
CHIP SANDOVAL - Q.C. MANAGER




THANK YOU FOR SELECTING A QUALITY PRODUCT MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13209, USA. ALL MELTING DONE IN USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2 ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 8/15/13. WE ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1, AND DFARS 252.225.7001, 7002, 7008, 7009 MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR, IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370, E8, E10, E18, E23, E45, E112, E381, E804, E572, E1019, AND E1086. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS.

CRUCIBLE INDUSTRIES LLC

CERTIFIED BY



WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 4303  
DATE: 15/04/27

PO / BATCH NO.: 28028/1132117

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 11.833  
QUANTITY INSPECTED: 11.833  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 2.00 X 1.750  
THICKNESS RECEIVED: 1.990 X 1.766  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/04/27</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





Castle Metals®

A. M. Castle & Co.

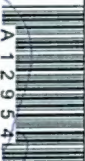
BORDEREAU DE MARCHANDISES  
CERTIFICAT DE CONFORMITE

Page 1 of 2

No de Formulaire d'Emballage / Shipment No: 2579981

Expédié de / Ship From:	Vendu à / Sold To:	Expédié à / Ship To:	Livré à / Deliver To:	
A. M. Castle & Co. (Canada) Inc. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date d'expédition / Date Shipped	F.O.B.	Modalités de transport / Freight Terms	Transporteur / Carrier	No du Bon de connaissance / BOL No
22-APR-2015	ORIGIN	Prepaid	MANITOU LIN	2579981-2

<b>Détails d'expédition / Shipment Details</b>	<b>Destination finale / Final Destination Branch - MON</b>
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N° de commande / Order No	N° de ligne Line No	N° d'article / Item No	Description				
3813662	1	67340.BO	1.0000.3.0000.FLAT.303.STAINLESS.HR.ANN.PICKLED.144.0000 SPECIFICATIONS: ASTM A582				
N° de bon de commande / Purchase Order No	Nbre de pièces / Part Number	Qté commandée / Ordered Qty	Qté Facturée / Invoice Qty				
28028		122.40 LBS	12.8333 FT				
Détails / Details							
END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
N° de livraison / Delivery No :	Usine / Mill	No de coulée / Heat Number	Code méc / Mech Id	Qty or PCS	Largeur / Width (IN)	Longueur / Length (IN)	Qté expédiée/ Shipped Qty(LBS)
120023243		 A 1 2 9 5 4		1.0		154.0000	132.0000

Ces marchandises/technologies sont sujettes aux règlements de l'Export Administration et du département d'état des Etats-Unis. Si elles ont été/ont exportées, elles doivent se conformer à ces règlements. Toute modification du contrat de transport contraire aux lois des Etats-Unis est interdite.

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Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel. Y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera réglée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.



Castle Metals®

A. M. Castle & Co.

BORDEREAU DE MARCHANDISES  
CERTIFICAT DE CONFORMITE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Ce matériel a été reçu et inspecté par  
Reviewed by Authorized Castle Metals Representative:

Date: Name:

22 AVR. 2015







575 STATE FAIR BLVD.  
SOLVAY, NY 13209

# Certificate of Test

Cert Date: 01/16/15

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FRY STEEL COMPANY  
13325 MOLETTE ST  
SANTA FE SPRINGS, CA 90670

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FRY STEEL COMPANY  
13325 MOLETTE ST  
SANTA FE SPRINGS, CA 90670

CIL ORDER NO.  
P5-18576-4-01

HEAT NO.  
A12954

CIL INSIDE SALES REP.  
L HINMAN

SHIPPED FROM  
SOLVAY, NY USA

CUSTOMER P.O.  
48166-6/S30590

CUSTOMER PART NO.  
S30590

QUANTITY SHIPPED 1700 LBS. 1 BDL

## DESCRIPTION OF MATERIAL

### SIZE

CRU 303 CD A 3.000 X 1.000 FLAT  
AMS-5640-U TYPE 1 (SURF TO COND C) (PHY TO COND A) ASTM-A484-13A ASTM-A582-12 E1  
MIL-S-7720-AMD. 1 QQS-763-C COND A QQS-764-B (OBSOLETE) (COND A)

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU	CB	TA
.052	1.71	.028	.200	.55	9.39	17.64	.31	.41	.100	.002

## AS SHIPPED PROPERTIES

HARDNESS  
BHN 196/201

DAS  
14  
9-89

15/04/27

LONGITUDINAL  
TENSILE PSI 104,730  
YLD. 2% PSI 79,710  
% ELONG4D 37.3  
RED/AREA% 60.5

MACRO-ACCEPTABLE

FRY STEEL CO. CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

JAN 1 9 2015

BY   
CHIP BANDOVAL - Q.C. MANAGER

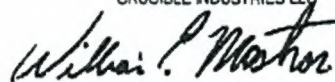


1 X 3  
THANK YOU FOR SELECTING A QUALITY PRODUCT MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13209, USA. ALL MELTING DONE IN USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2 ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 8/15/13. WE ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1, AND DFARS 252.225.7001, 7002, 7008, 7009. MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR, IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370, E8, E10, E18, E23, E45, E112, E381, E604, E572, E1019, AND E1086. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

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CRUCIBLE INDUSTRIES LLC

CERTIFIED BY



WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303  
DATE: 15/04/27

PO / BATCH NO.: 28028/11/32117

MATERIAL CERT REC'D: 44  
QUANTITY RECEIVED: 12.833  
QUANTITY INSPECTED: 12.833  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.00 X 3.00  
THICKNESS RECEIVED: 1.00 X 3.00  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/04/27</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:2579981

Ship From:	Sold To:	Ship To:	Deliver To:
A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped	F.O.B.	Freight Terms	Carrier
22-APR-2015	ORIGIN	Prepaid	MANITOULIN
			BOL No
			2579981-2

Shipment Details

Final Destination Branch - MON

Order No	Line No	Item No	Description	Ordered Qty	Invoice Qty
3813693	1	9166	1.2500.2.0000.FLAT.17CR-4NI.STAINLESS.HR.ANN.PICKLE.132.00 00-156.0000 SPECIFICATIONS: AMS 5643		
Purchase Order No		Part Number			
28028				12.00 FT	12.5000 FT
Details			SHIP TO CASTLE, MONTREAL (POINTE-CLAIRE) CUSTOMS BROKER: GEORGE H. YOUNG END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS		
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)
120014514	VALBRUNA CORPORATION			1	
					Length (IN)
					150.0000
					Shipped Qty(LBS)
					105.0000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

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Reviewed by Authorized Castle Metals Representative:

Date:

Name:

22 APR. 2015





# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bezieher/Purchaser/Client  
**VALBRUNA STAINLESS INC.**  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine produkte

Avviso di Spedizione: D-VII4007484  
Lieferanfertigung/Packing list/B L

Certificato nr: MEST479780/2014/  
Prüfung/Prüfung/Prüfung

Conferma ordine nr: E114000009  
Werkzeug/Order/Prüfung

Marchio di Fabbrica:  
Zeichen des Unternehmens  
Trade mark  
Sigle de l'usine produkte



Stato di fornitura: Hot rolled Descaled COND. A Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Erschmelzungsart/Smelting process/Mode d'elaboration

Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'essayeur



Specifiche:  
Anforderungen / Requirements / Exigences

VSI FLAT 2630 A  
AMS 5643 R S17400 A  
ASTM A564 2010 S17400 A

AISI 630  
ASME SA564 2010 S17400 A (0)  
ASTM F899 2012 630

AMS 2303 F  
ASTM A370 2012 A

(0) SEC. II PT.A 2010 EDITION ADD. 2011a **DAS**

Qualità: 630  
Werkstoff/Grade/Ruance

**14 15/04/27**  
**9-89**

Marca: **V174**  
Markenbezeichnung  
Brand/Marke

Tolleranza: **ASTM A484-11 TABLE 5**  
Toleranz/Tolerance/Tolerance

Punzonatura: 630  
Kennzeichnung/Marking/Markage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimensions Dimension	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0130	Flat	2,0000 x 1,2500	123 / 151	261907		2.161	307010190

## TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf Lieferbesten produkt test à l'état de fourniture Prueba sobre el material así como entregado

TEST	Provetta/Specimen Langsam/Spann Biege/Diam./Diale Width/Diam./Thickness Larg./Diam./épaisseur mm	°F	Posiz. Sagitt. Position Lieu de l'essai mm	Snervamento Strichgrenze Yield Stress Limite élastique	Snervamento Strichgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction	Allungamento Bruchdehnung Elongation Allongement	Strizione Enschmelzung Reduction of area Striction	Resilienza Kerbschlagarbeit Impact Value Résilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		-	-	-	-	-	-	363
A										339

TEST		min	max
A	Delta Ferrite		5,0
A	Grain size for ASTM E112		5
A	RATINGS FREQUENCY		1,10
A	RATINGS SEVERITY		1,05

## Sample cond. H900

Temperatura				Temperatura				Temperatura				Temperatura			
Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza	Tipo Trattamento	Temperatura	Raffreddamento	Permanenza
Wärmebehandlung	Temperatur	Abkühlung	Haltezeit	Wärmebehandlung	Temperatur	Abkühlung	Haltezeit	Wärmebehandlung	Temperatur	Abkühlung	Haltezeit	Wärmebehandlung	Temperatur	Abkühlung	Haltezeit
Heat Treatment	Temperature	Cooler	Retention	Heat Treatment	Temperature	Cooler	Retention	Heat Treatment	Temperature	Cooler	Retention	Heat Treatment	Temperature	Cooler	Retention
Traitement Thermique	Température	Refroidissement	Mantien	Traitement Thermique	Température	Refroidissement	Mantien	Traitement Thermique	Température	Refroidissement	Mantien	Traitement Thermique	Température	Refroidissement	Mantien
Aging	900 °F	AIR	60												

TEST	Provetta/Specimen	°F	Posiz. Sagitt.	Snervamento	Snervamento	Resistenza	Allungamento	E 4d %	Strizione	Resilienza	Durezza HB
	Langsam/Spann		Position Lieu de l'essai	Yield Stress	Strichgrenze Yield Stress	Zugfestigkeit Tensile strength	Bruchdehnung Elongation		Reduction of area Striction	Kerbschlag Impact Value	
	Width/Diam./Diale		mm	Limite élastique	Limite élastique	Rm k.s.i.	RA % <td>%<td>%<td></td></td></td>	% <td>%<td></td></td>	% <td></td>		
Valori richiesti 1		min		Rp 0,2% k.s.i.	-	190	-	10	-	40	388
Anforderungen/Required values		max				200		15		52	444
Valeurs demandées											
B	12,5	68	L	184		200		15		52	432

1) L=longitudinale/longs, T=transversale/quer, Q=Tangentiale/tangentiel

Mechanical properties according to ASTM A370.  
Delta Ferrite according to AMS 2315.

Vicenza, 04/03/14 VCO008 (Med MCE)	Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine <b>M. Rizzotto</b>	Pagina - 1 di 2
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# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Käufer/Client  
**VALBRUNA STAINLESS INC.**  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/fabrik/Usine produce

Avviso di Spedizione: D-VII4007484  
Lieferanzenge/Packung 1-st/B L

Certificato nr: MEST479780/2014/  
Prüfung/Test/Essa

Conferma ordine nr: EI14000009  
Werkz/Our Order/Rechn

Marchio di Fabbrica:  
Zeichen des Werksachverständigen  
Trade mark  
Sigle de l'usine produce



Stato di fornitura: Hot rolled Descalced COND. A Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Erschmelzungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Ponçon de l'essayeur

DAS  
14  
9-89

15/04/27

## Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata Heat Schmelze/Coulée	min - max 0,070	1,00	1,00	15,00 17,00	0,50	3,00 5,00	3,00 5,00	-	0,040	0,030	0,050	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	Ta %			
261907	0,037	0,39	0,49	15,11	0,21	3,37	4,53	0,091	0,024	0,001	0,039	0,0014			

Colata Heat Schmelze/Coulée	min 0,150 max 0,350	5°C 0,350	-	-	-
	Nb%+Ta%	Cb(Nb)%			
261907	0,272	0,271			

Micro and macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material solution annealed 1904F for 1 h ,

air cooled to below 90F.

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind in Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK  
Verwachsungsprüfung: spektralanalytisch durchgeführt  
Antimixing testing performed: OK  
Contrôle antimélange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze  
Betrachtung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional checks satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 04/03/14

VC0008  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 417-4  
DATE: 15/04/27

PO / BATCH NO.: 28028/413217

MATERIAL CERT REC'D: 44  
QUANTITY RECEIVED: 12.50  
QUANTITY INSPECTED: 12.50  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.25X2.00  
THICKNESS RECEIVED: 1.25X2.00  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-83</u>	SIGNED OFF BY: _____
DATE: <u>15/04/27</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO28028**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 1 of 3

Order From : VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 514 694 9575

Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 10  
Currency CAD  
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174B1.250X02.000	17-4 SS Bar 1.250 x 2.00	4/27/2015 Yes 4/27/2015		12.00 f ✓ 12.5000 FT	\$64.27	\$771.24

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI

Line Total: \$771.24

2	M303B1.000X03.000	303 BAR 1" X 3'	4/27/2015 Yes 4/27/2015		12.00 f ✓ 12.8333 FT	\$125.25	\$1,503.00
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MATERIAL: AISI 303 SS BAR AS PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$1,503.00

SP15-03-24.

Note:

4/6/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO28028**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 2 of 3

Order From : VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 514 694 9575  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 10  
Currency CAD  
FOB FCA - (Free Carrier)

3	M303B2.000X1.750	303 BAR 2" X 1.750"	4/27/2015 Yes 4/27/2015	12.00 f	\$143.56	\$1,722.72
MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE						
11.8333 FT SP15-04-24.						
Line Total:						\$1,722.72
4	M303H0.500	303 HEX BAR .500	4/14/2015 Yes 4/14/2015	12.00 f	\$4.31	\$51.72
MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE						
SP15-04-16.						
Line Total:						\$51.72

Note:

4/6/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO28028**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 3 of 3

Order From : VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 514 694 9575  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer  
Customer POID  
Customer Tax #  
Terms  
Currency  
FOB  
Chantal Lavoie  
10127-2607  
Net 10  
CAD  
FCA - (Free Carrier)

5	71401-45	PROCUREMENT QUALITY CLAUSES	4/27/2015	1.00	\$0.00	\$0.00
			No 4/27/2015			
		Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality document				

Line Total: \$0.00

PO Total: \$4,048.68

*W*

*CL*

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 4/6/2015